

Title (en)  
COMPOSITIONS FOR AND METHODS OF NEUTRALIZING LIPOPOLYSACCHARIDE TOXICITY AND METHODS OF IDENTIFYING THE SAME

Title (de)  
ZUSAMMENSETZUNGEN UND VERFAHREN ZUR NEUTRALISIERUNG VON LIPOPOLYSACCHARIDTOXIZITÄT UND VERFAHREN ZU DEREN IDENTIFIZIERUNG

Title (fr)  
COMPOSITIONS ET MÉTHODES DE NEUTRALISATION DE LA TOXICITÉ DE LIPOPOLYSACCHARIDES ET MÉTHODES ASSOCIÉES D'IDENTIFICATION

Publication  
**EP 4018196 A1 20220629 (EN)**

Application  
**EP 21725955 A 20210402**

Priority  
• US 202063004174 P 20200402  
• US 202163200318 P 20210301  
• US 2021070350 W 20210402

Abstract (en)  
[origin: WO2021203142A1] Methods for identifying a composition that neutralizes toxicity of a lipopolysaccharide are disclosed. The methods comprise comparing the amount of cytokine and/or prostaglandin E2 secreted by cells that have Toll-like receptors activated by a lipopolysaccharide in the presence or absence of a test composition. Methods of neutralizing toxicity of a lipopolysaccharide in an individual's oral cavity using compositions identified neutralizing toxicity of a lipopolysaccharide are also disclosed. Method of neutralizing toxicity of a lipopolysaccharide in an individual's oral cavity using oral care compositions that comprise combinations of zinc oxide and zinc citrate are also disclosed.

IPC 8 full level  
**G01N 33/566** (2006.01); **A61Q 11/00** (2006.01)

CPC (source: EP US)  
**A61K 6/00** (2013.01 - US); **A61K 8/27** (2013.01 - EP); **A61K 8/365** (2013.01 - EP); **A61K 33/16** (2013.01 - US); **A61K 33/30** (2013.01 - US); **A61P 31/04** (2017.12 - US); **A61Q 11/00** (2013.01 - EP); **C07K 16/24** (2013.01 - US); **G01N 33/5041** (2013.01 - US); **G01N 33/5091** (2013.01 - US); **G01N 33/54326** (2013.01 - US); **G01N 33/566** (2013.01 - EP US); **G01N 2333/195** (2013.01 - US); **G01N 2333/705** (2013.01 - US); **G01N 2400/50** (2013.01 - US); **G01N 2500/04** (2013.01 - EP); **G01N 2500/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2021203142A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2021203142 A1 20211007**; CA 3177046 A1 20211007; CN 115298546 A 20221104; EP 4018196 A1 20220629; MX 2022011974 A 20221020; US 2021318306 A1 20211014

DOCDB simple family (application)  
**US 2021070350 W 20210402**; CA 3177046 A 20210402; CN 202180023010 A 20210402; EP 21725955 A 20210402; MX 2022011974 A 20210402; US 202117301428 A 20210402